Claims

1. (Currently Amended) A software product comprising:

flow control software configured to, when executed by a processing system, direct ~~a~~ the processing system to determine a delay variation between at least a first link and a second link, control a communication system to route user communications over the first link if the delay variation is within a maximum threshold, control the communication system to route the user communications over the second link if the delay variation exceeds the maximum threshold, and adjust the maximum threshold in response to the delay variation; and

a storage medium ~~configured with~~ having the flow control software stored thereon.

2. (Currently Amended) The software product of claim 1 wherein the flow control software is configured to, when executed by the processing system, direct the processing system to adjust the maximum threshold in response to packet sequence problems.

3. (Currently Amended) The software product of claim 1 wherein the flow control software is configured to, when executed by the processing system, direct the processing system to adjust the maximum threshold in response to repeat TCP ACKs.

4. (Currently Amended) The software product of claim 1 wherein the flow control software is configured to, when executed by the processing system, direct the processing system to route the user communications over a pre-determined one of the links if the user communications comprise voice traffic.

5. (Previously Presented) A method of operating a communication system comprising:

determining a delay variation between at least a first link and a second link;

routing user communications over the first link if the delay variation is within a maximum threshold;

routing the user communications over the second link if the delay variation exceeds the maximum threshold; and

adjusting the maximum threshold in response to the delay variation.

6. (Original) The method of claim 5 further comprising adjusting the maximum threshold in response to packet sequence problems.

7. (Original) The method of claim 5 further comprising adjusting the maximum threshold in response to repeat TCP ACKs.

8. (Original) The method of claim 5 further comprising routing the user communications over a pre-determined one of the links if the user communications comprise voice traffic.

9. (Original) The method of claim 5 wherein one of the links comprises a wireless link.

10. (Original) The method of claim 5 wherein one of the links comprises an MMDS link.

11. (Original) The method of claim 5 wherein one of the links comprises a DSL link.

12. (Original) The method of claim 5 wherein one of the links comprises a ISDN link.

13. (Original) The method of claim 5 wherein one of the links comprises a T1 link.

14. (Previously Presented) A communication system comprising:

a communication processing system configured to route user communications over a first link or a second link in response to control signals; and

a flow control system configured to determine a delay variation between at least a first link and a second link, generate the control signals to route user communications over the first link if the delay variation is within a maximum threshold, generate the control signals to route the user communications over the second link if the delay variation exceeds the maximum threshold, and adjust the maximum threshold in response to the delay variation.

15. (Original) The communication system of claim 14 wherein the flow control system is configured to adjust the maximum threshold in response to packet sequence problems.

16. (Original) The communication system of claim 14 wherein the flow control system is configured to adjust the maximum threshold in response to repeat TCP ACKs.

17. (Original) The communication system of claim 14 wherein the flow control system is configured to generate the control signals to route the user communications over a pre-determined one of the links if the user communications comprise voice traffic.

18. (Original) The communication system of claim 14 wherein one of the links comprises a wireless link.

19. (Original) The method of claim 14 wherein one of the links comprises an MMDS link.

20. (Original) The communication system of claim 14 wherein one of the links comprises a DSL link.

21. (Original) The communication system of claim 14 wherein one of the links comprises a ISDN link.

22. (Original) The communication system of claim 14 wherein one of the links comprises a T1 link.